

## **AMENDMENTS TO THE ABSTRACT**

***Please amend the Abstract on page 32 of the specification as follows:***

A method for the detection of ionizing radiation including ~~comprises the steps of~~ (i) directing ionizing radiation towards an object to be examined, ; ~~(ii)~~ preventing Compton scattered radiation, ~~preferably at least 99% of the radiation Compton scattered in said object,~~ from being detected, ; and ~~(iii)~~ detecting ionizing radiation spatially resolved as transmitted through the ~~said~~ object to reveal a spatially resolved density of the ~~said~~ object, . ~~The wherein~~ said ionizing radiation is provided within a spectral range such that more, ~~preferably much more,~~ photons of the ~~said~~ ionizing radiation are Compton scattered than absorbed through the photoelectric effect in the ~~said~~ object, to thereby ~~reducing~~ ~~reduce~~ the radiation dose to the ~~said~~ object.

(Fig. 1)